

**Abstract.**

A method for assigning unique identifiers for allowing communication between a GPRS (General Packet Radio Service) system and a RADIUS (Remote Authentication Dial In  
5 User Service) server. The method includes the steps of connecting one or more external networks to the GPRS system and identifying the or each network with an APN (Access Point Name), and assigning to an or each APN external network a gateway address. Further steps include passing an APN-external network authentication request from a GGSN (Gateway GPRS Support Node) to said RADIUS server, providing from said  
10 RADIUS server to said GGSN upon such request a subscriber IP (Internet Protocol) address to be stored in said GGSN (Gateway GPRS Support Node), said subscriber IP address being unique for the respective APN external network defined in said GGSN, using said GGSN for combining the APN gateway address and the subscriber IP address, to form a unique subscriber identifier, and sending from said GGSN said  
15 identifier to the RADIUS server for accounting, e.g. in the form of an ASCII string.

Fig. 1.